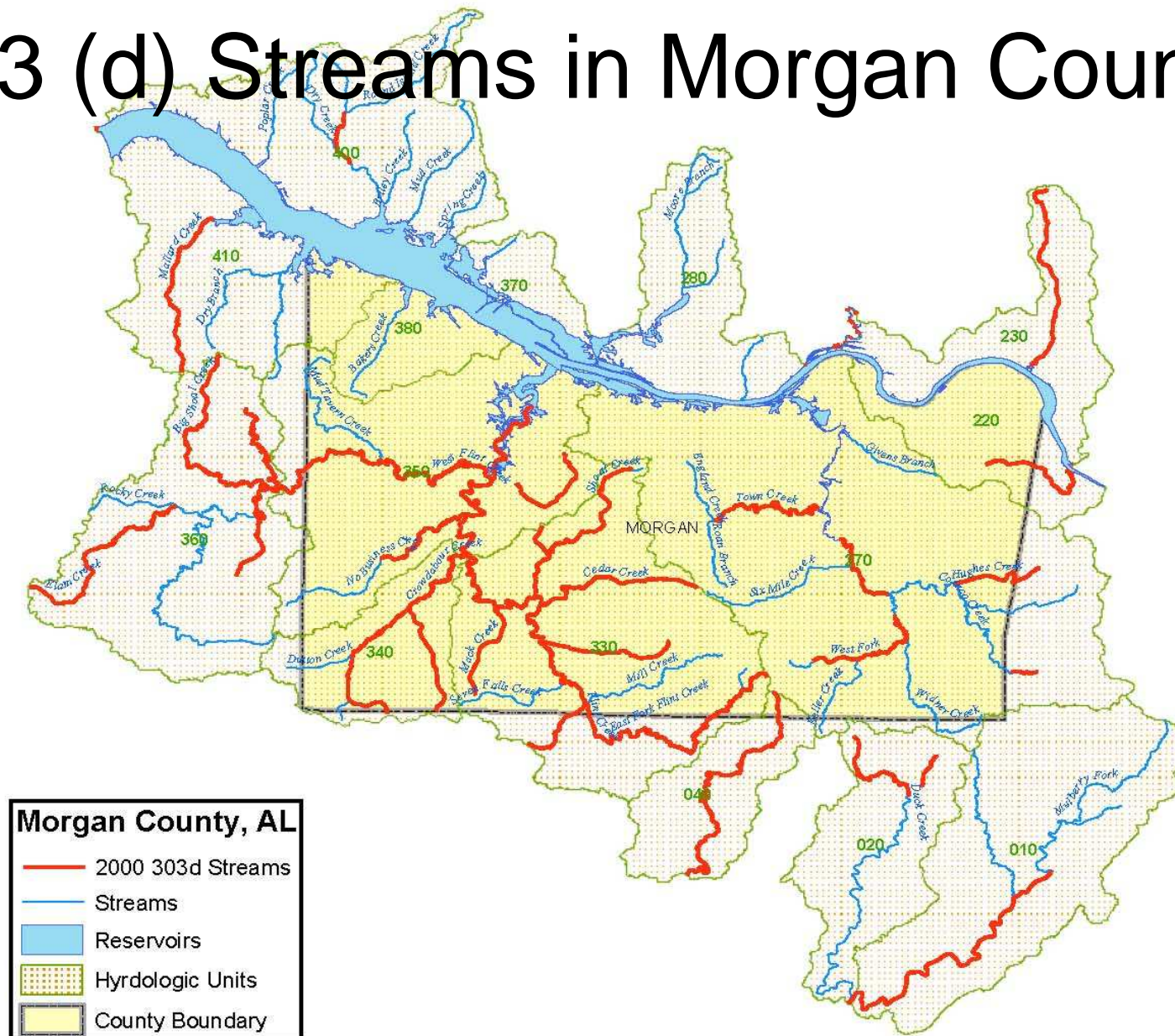


Crowdabout Creek Watershed Project

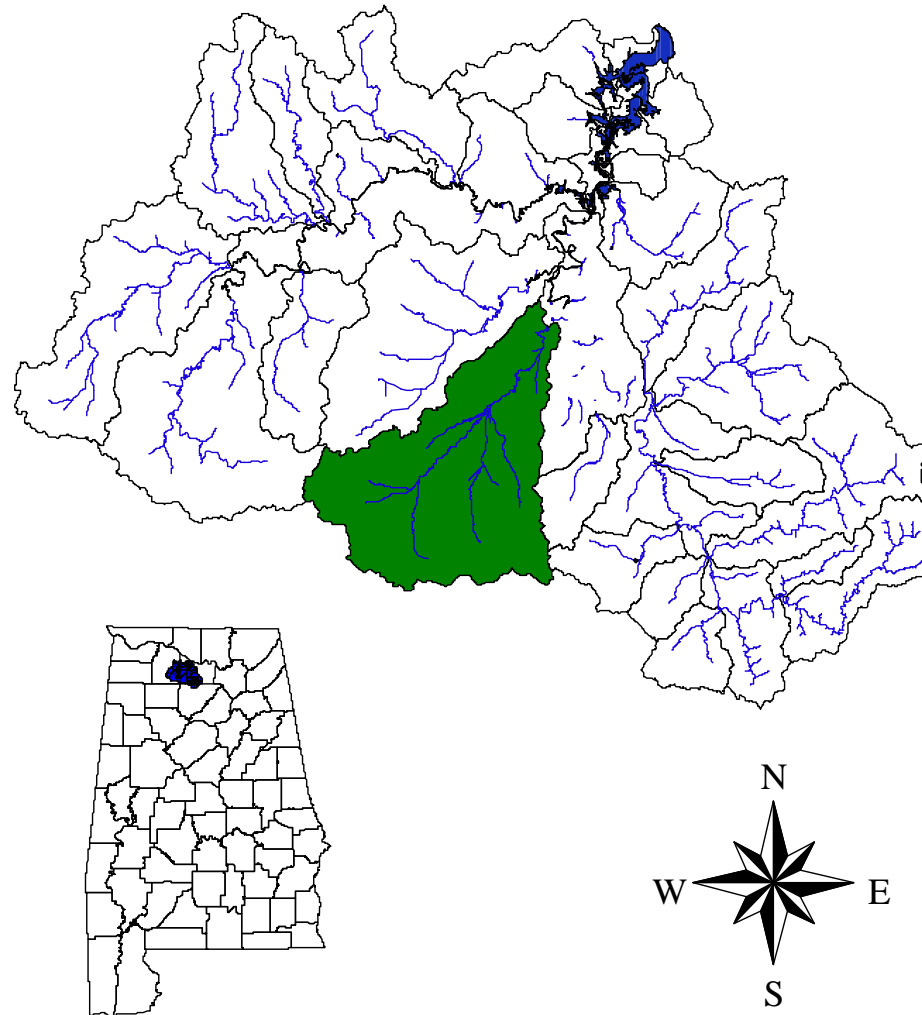
Performed by the Flint Creek Watershed Conservancy District



303 (d) Streams in Morgan County



Crowdabout Creek Watershed within the Flint Creek Watershed



Description

- 31,500 Acres
- Crowabout Creek is 15 miles long, Herrin Creek 6.3 miles long
- Flows into Flint Creek, then into the Tennessee River
- Forty percent of land use is agriculture
- No point sources

Why Project Was Needed

- Crowdabout Creek and Herrin Creek listed on the 303(d) list for: Nutrients, siltation, and organic enrichment/dissolved oxygen from nonirrigated crop production, pasture grazing and animal feeding operations.



A photograph of a creek flowing through a grassy field with trees in the background. The water is murky and reflects the sky. The text is overlaid in red.

History of Crowdabout Creek

First Named Scroungeabout
Creek

1950's Channelization Project



Goals of the Crowdabout Creek Watershed Project

Develop and implement a watershed based plan to specifically target nonpoint source pollutants such as nitrogen, phosphorus and sediment loading

Enhance and protect water quality in the watershed

Remove Crowdabout Creek from the Section 303(d) list of impaired waters



IDENTIFY PROBLEMS

CAT FOUND!!!



BLACK + TAN WITH GREY

- MALE
- NO COLLAR
- NOT VERY FRIENDLY, I think he might be SCARED.
- NOT HOUSE BROKEN EITHER ☹️
- Found on SUNSET BVD.
- If HE IS yours please call

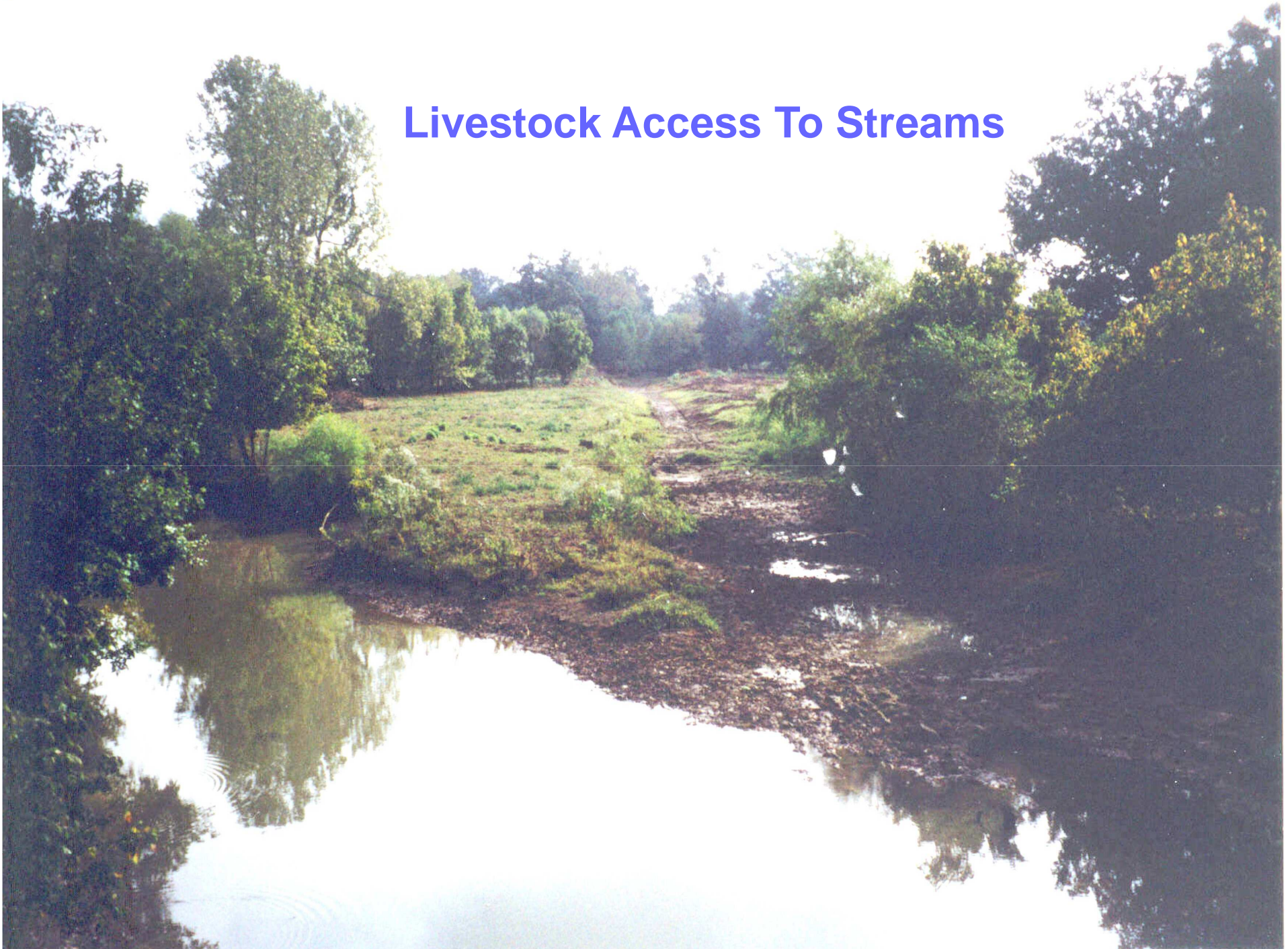
Lagoon Overflows





Streambank Erosion

Livestock Access To Streams









Work
Individually
With
Landowners





What type practices were used to improve and protect water quality?

AGRICULTURE

Riparian Forest Buffers, Pasture Planting, Cross Fencing and Fencing of Streams, Stream Crossings

Residents

Work with residents on issues regarding erosion, septic tanks, fertilizer, chemicals, etc.

An aerial photograph showing a winding creek with a dense forest buffer along its banks. The surrounding landscape consists of agricultural fields in various shades of green and brown. The text is overlaid on the image.

Riparian Forest Buffer

Farm Service Agency Continuous
Conservation Reserve Program
(CCRP)

1594.5 acres planted along
Crowdabout Creek

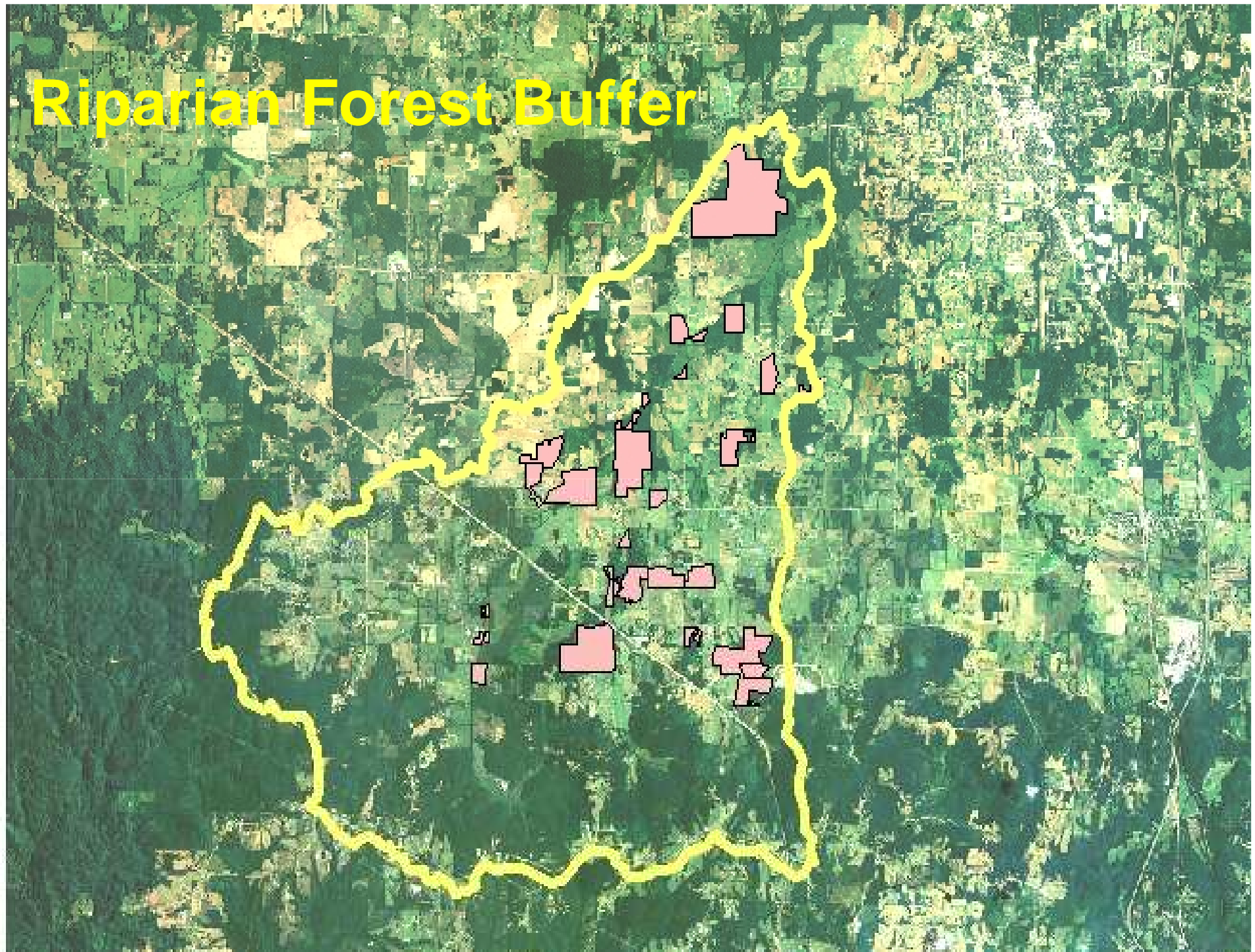
360.6 acres planted along Herrin
Creek

How to Convince Landowners?

Combined 319 funds with FSA
funds to raise incentive
payments to **\$500** per acre to
enroll

Improve wildlife habitat

Riparian Forest Buffer





2005



2012



2007



2011



2007



2011



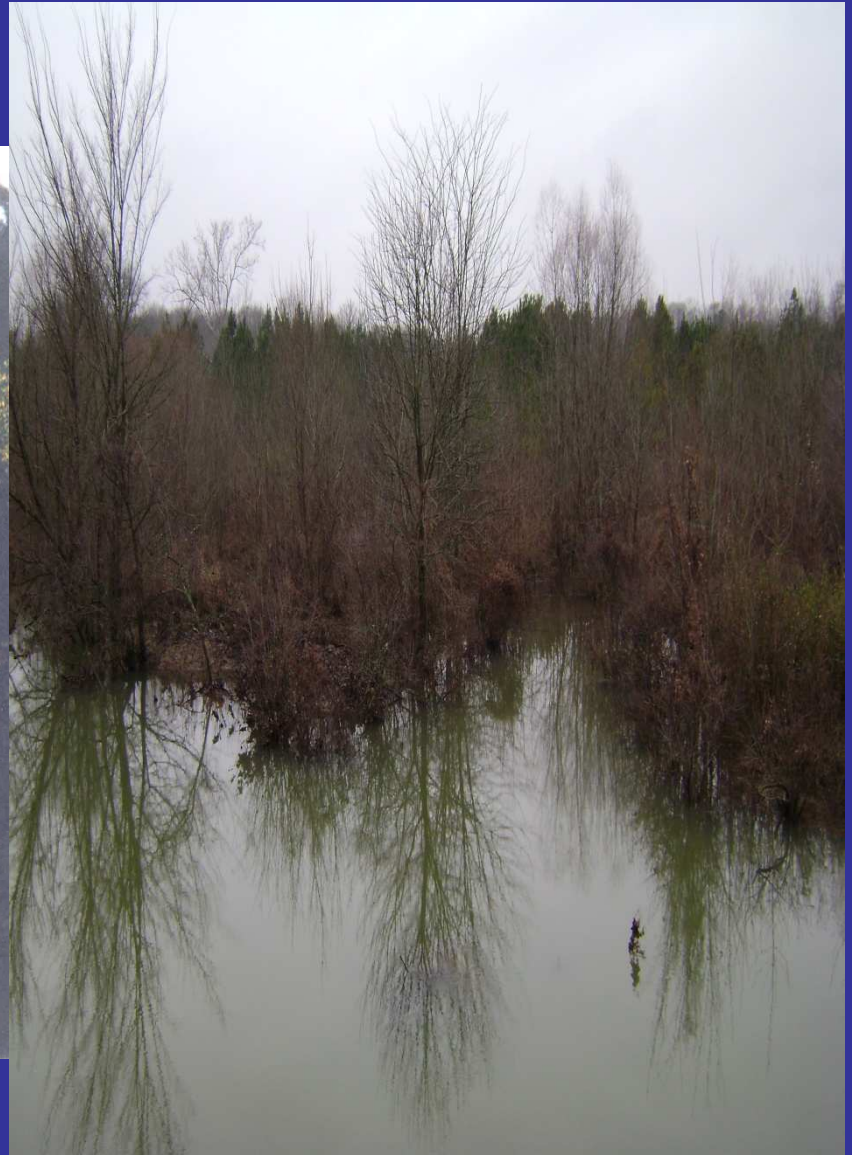
2007



2011



2005



2013





A photograph of two people cleaning a river. On the left, a man in a blue and white hoodie and grey shorts stands in the water, holding a long silver pole with a white mesh net attached. On the right, a woman with blonde hair, wearing a black shirt, tan pants, and black boots, is bent over, using a long wooden stick to move debris. The river is surrounded by trees and brush. The text 'Was Water Quality Improved' is overlaid in yellow in the upper center.

Was Water Quality
Improved

How To Remove From
303(d) List?

Water Quality Data

Parameter	GSA 1996 5/9/1996	ADEM 2009 6/2/2009
Temperature	25.0	24.3
Turbidity	130.0	71.4
Total Dissolved Solids (mg/L)	187.0	140.0
Total Suspended Solids (mg/L)	37.0	13.5
Dissolved Oxygen (mg/L)	0.7	6.0
CBOD-5 (mg/L)	1.3	0.5
Ammonia Nitrogen (mg/L)	0.12	0.003
Total Kjeldahl Nitrogen (mg/L)	0.74	1.134

Funding

- Crowdabout Creek
FY 2002 Clean Water Act 319 Grant
393,000 Federal - 291,533 Matching
- Herrin Creek
FY 2003 Clean Water Act 319 Grant
63,426 Federal - 42,769 Matching



Partners

Alabama Department of Environmental Management
Flint Creek Watershed Conservancy District
Natural Resource Conservation Service
Morgan County Soil and Water Conservation District
Tennessee Valley Authority
Farm Service Agency
Alabama Cooperative Extension System
Morgan County Commission
Environmental Protection Agency
Tennessee Valley Clean Water Partnership
Soil and Water Conservation Committee

